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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/760,205

01/21/2004

Kia Silverbrook

RRA20US

1331

24011

7590

08/02/2006

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AUSTRALIA

EXAMINER

UHLENHAKE, JASON S

ART UNIT

PAPER NUMBER

2853

DATE MAILED: 08/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/760,205	<b>Applicant(s)</b> SILVERBROOK, KIA	
	<b>Examiner</b> Jason Uhlenhake	<b>Art Unit</b> 2853	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 July 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Response to Amendment*

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morita et al (U.S. Pat. 6,705,715) in view of Watrobski et al (U.S. Pub. 2002/0140758)

#### ***Morita et al discloses:***

- ***regarding claim 1***, providing the inkjet printer as a complementary cradle/carriage (2) and starter cartridge (Figure 1B); the cradle/carriage is arranged to operate a number of cartridges having differing performance characteristics (Column 21, Lines 52 – 67)

- ***regarding claim 2***, wherein the differing performance characteristics of the cartridges includes one or more of: printing speed; ink capacity; number and types of inks (Column 21, Lines 52 – 67)

#### ***Morita et al does not disclose expressly the following:***

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- **regarding claim 1**, each of the cartridges having an inbuilt page width inkjet printhead

***Watrobski et al discloses:***

- **regarding claim 1**, each of the cartridges having an inbuilt page width inkjet printhead (Paragraph 0037), for the purpose of improving printing speed.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of an inbuilt page width inkjet printhead as taught by Watrobski et al into the device of Morita et al, for the purpose of improving printing speed.

Claim 3 is rejected under 35 U.S.C. 103(a) as being obvious over Morita et al (U.S. Pat. 6,705,715) as modified by Watrobski et al (U.S. Pub. 2002/0140758) as applied to claim 1 above, and further in view of Eun (U.S. Pat. 6,033,053).

***Morita et al as modified by Watrobski et al discloses all of the claimed limitations except for the following:***

- **regarding claim 3**, wherein the printing speeds of the cartridges varies between 15 ppm to 60 ppm

***Eon discloses:***

- **regarding claim 3**, wherein the printing speeds of the cartridges varies between 15 ppm to 60 ppm (Column 4, Lines 27 – 37).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of the printing speeds of the

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cartridges varies between 15 ppm to 60 ppm as taught by Eon into the device of Morita et al as modified by Watrobski et al, for the purpose of increasing the speed of printing.

Claims 4 is rejected under 35 U.S.C. 103(a) as being obvious over Morita et al (U.S. Pat. 6,705,715) as modified by Watrobski et al (U.S. Pub. 2002/0140758) as applied to claim 1 above, and further in view of Trafton et al (U.S. Pat. 6,851,799).

***Morita et al as modified by Watrobski et al discloses all of the claimed limitations except for the following:***

- ***regarding claim 4***, wherein the ink capacity of the cartridges varies between 150ml of ink to 300ml of ink

***Trafton et al discloses:***

- ***regarding claim 4***, wherein the ink capacity of the cartridges varies between 150ml of ink to 300ml of ink (Column 1, Lines 42 – 50)

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of the ink capacity of the cartridges varies between 150ml of ink to 300ml of ink as taught by Trafton et al into the device of Morita et al as modified by Watrobski et al, for the purpose of extending the life of the ink cartridge by increasing the ink capacity.

Claim 5 is rejected under 35 U.S.C. 103(a) as being obvious over Morita et al (U.S. Pat. 6,705,715) as modified by Watrobski et al (U.S. Pub. 2002/0140758) as applied to claim 1 above, and further in view of Silverbrook et al (U.S. Pat. 6,238,115).

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***Morita et al as modified by Watrobski et al discloses***

- ***regarding claim 5***, wherein the number and types of inks includes black, cyan, magenta, yellow (Morita et al: Figures 4A, 4B; Column 15, Lines 10 – 21)

***Morita et al as modified by Watrobski et al does not disclose expressly the following:***

- ***regarding claim 5***, types of inks include infrared and an ink fixative

***Silverbrook et al ('115) discloses:***

- ***regarding claim 5***, types of inks include infrared and an ink fixative (Column 5, Lines 46 – 61)

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of the types of inks include infrared and an ink fixative as taught by Silverbrook et al into the device of Morita et al as modified by Watrobski et al. The motivation for doing so would have been to improve the quality of printing.

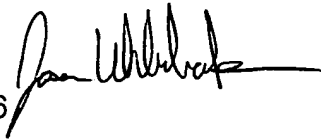
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JSU  
July 17, 2006



 7/8/06  
K. FEGGIN  
PRIMARY EXAMINER